

VOLAT



**LIGHT ARMORED VEHICLE
MZKT-490101**

VEHICLES OVERCOMING ALL OBSTACLES

LIGHT ARMORED VEHICLE MZKT-490101

SPECIFICATIONS

PERFORMANCE DATA

| | |
|-------------------------------------|--|
| Wheel drive | 4x4 |
| Max. speed, km/h | 110 |
| Gradeability, % | 60 |
| Climbing ability-vertical step, mm | 400 |
| Side slope, % | 50 |
| Turning radius (curb to curb), m | 10 |
| Crossing ability - fording depth, m | 1,2 |
| Trench width, m | 0,7 |
| Cruising range, km | 900 |
| Operating temperature, °C | -40 ... +55 |
| Air transportable | IL-76, An-124, An-22 C130, A400M, C-5, C-17 |

WEIGHT DATA

| | |
|---|---------|
| Curb vehicle weight, kg | 9 200 |
| Payload, kg | 1 800 |
| Gross vehicle weight, kg | 11 000 |
| Permissible weight on axles, kg on 1-2 axles | 2x5 500 |

ENGINE

| | |
|----------------------------------|--|
| Number and location of cylinders | L6 |
| Power | 199 kW (270 h.p.) at 2 500 min ⁻¹ |
| Max. torque | 780 Nm at 1 400 - 1 600 min ⁻¹ |

TRANSMISSION

| | |
|-----------------|----------------------|
| Type | automatic |
| Number of gears | 6 forward, 1 reverse |
| Gear ratio | 3.51-0.64; R5.09 |

TRANSFER CASE

2-speed, locking interaxle differential

DRIVING AXLES

Split, with central reduction gears, locking cross-axle differentials

AXLE SUSPENSION

1 and 2 axles - independent coil-spring

STEERING SYSTEM

Left-hand drive, hydraulic power assisted

BRAKE SYSTEM

Disc brakes with pneumohydraulic drive
Dual-circuit system
Engine brake, ABS

TYRES

365/80R20, off-road protector
Central tyre inflation system (CTIS), RunFlat

FRAME

Longitudinal, enforced
Equipped with front and rear towing units

ARMORED BODY

4-door welded armored capsule
Additional modular armoring
Ballistic protection according to STANAG 4569 Level 2
Blast protection according to STANAG 4569 Level 2a/2b
Shock-absorbing seats for driver and crew
Equipped with climatic system (air-conditioner, heater), forced ventilation system, roof hatch, gun-ports
Number of seats - 2+3

ELECTRICAL EQUIPMENT

Nominal voltage 24 V, single-wire
Batteries 2x110 Ah

SPECIAL EQUIPMENT

Onboard information and control system
CCTV system
Electric self-recovery winch, pull force 7,4 t.

